20000521.qrp v01_n828.qrl.20000521

Date: Sun, 21 May 2000 19:03:06 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1828

QRP-L Digest 1828

Topics covered in this issue include:

  1) [70621] OT (as always) Day reportage of Dayton
     by nilsbull@juno.com
  2) [70622] psk-31/psk20
     by "Rod, N0RC" <n0rc@qsl.net>
  3) [70623] [CONTEST] Nov SS Results
     by Joel Malman <malman@world.std.com>
  4) [70624] SMK-1 # 28 LIVES
     by J38AL@aol.com
  5) [70625] Re: Tektronix 454 manual needed/probe compensation question
     by Jeff Furman <jfurman@ocs.net>
  6) [70626] Re: 2 questions, while everyone (but me) is at Dayton !!
     by Mike&Paula <herr@ridgecrest.ca.us>
  7) [70627] toroids
     by Bruce Rattray <rattray@gpfn.sk.ca>
  8) [70628] I Finished a Project!!!
     by Richard Powell <ripowell@mpna.com>
  9) [70629] Grand Canyon hike - TU
     by "Robert Armstrong" <barmstrong@sisna.com>
 10) [70630] Re: Ft Tuthill 2000
     by Bob Hightower <nk7m@extremezone.com>
 11) [70631] HB: Norcal Regen Question
     by Pete Burbank <plburbank@kih.net>
 12) [70632] Re: SMK-1 Questions
     by George Gingell <k3tks@u1.abs.net>
 13) [70633] Dayton 2000 picures...
     by Radman <radman@best.com>
 14) [70634] Re: OT (as always) Day reportage of Dayton
     by SKIPNC9O@aol.com
 15) [70635] Re: Recovering a Flooded Project?
     by Jon Iza <iapizloj@bicc00.bi.ehu.es>
 16) [70636] Re: Grand Canyon hike - TU
     by "Victor Blackwell" <victor@brecnet.com>
 17) [70637] HW-8 wanted
     by nx2c@juno.com
 18) [70638] B & W
     by Barry J Minsky <w2bj@juno.com>
 19) [70639] Transmitter & TR Break-in Questions

    by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
 20) [70640] RE: Transmitter & TR Break-in Questions
    by "AI2Q Alex" <ai2q@ispchannel.com>
 21) [70641] Your Help Would Be Appreciated
    by "J. Ervin Bates" <w8erv@email.msn.com>
 22) [70642] PSK-20 review on eHam
    by "Rod, N0RC" <n0rc@qsl.net>
 23) [70643] RE: Your Help Would Be Appreciated
    by "Coote, Jay" <JCoote@ci.arcadia.ca.us>
 24) [70644] Diversions at home. [Humor/OT]
    by Ed Loranger <we6w@qsl.net>
 25) [70645] RE: Your Help Would Be Appreciated
    by K4YBB@aol.com
 26) [70646] Dayton Panoramas and a Close-Up
    by "James P. Osburn, P.E." <j.p.osburn@ieee.org>
 27) [70647] Joys of a k2
    by hamjoel@juno.com
 28) [70648] North America IOTA Question
    by Kw4cz@aol.com
 29) [70649] Re: North America IOTA Question
    by david fouchey <dafouchey@home.com>
 30) [70650] WTB: S&S Engr. TAC-1 for 80M
    by "Alan Fryer" <n3bj@hotmail.com>
 31) [70651] NA IOTA Question Solved!!
    by Kw4cz@aol.com
 32) [70652] Sunday afternoon & still wondering
    by nilsbull@juno.com

Date: Sat, 20 May 2000 22:57:28 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [70621] OT (as always) Day reportage of Dayton
Message-ID: <20000520.225734.-237709.0.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Man, is/was it chilly! I don't think the temperature got over 60 F/10 C all day. When the breeze picked up it was almost uncomfortable. But then I was wearing my most unwashed luau shirt & a pair of levis, hat, sunglasses, ticked, QRP pins &c. Lots of neat stuff out in the fleas. A bunch of old Hallicrafters what caught my nostalgia. Some guy had a pile of off-world military HF radios. China. Russia. Germany. Each one had clearly printed sign that said where the particular piece was from and

how it was NOT FOR SALE. (Some dude stopped by while I was perusing this stuff and said "If it ain't for sale, why'd you bring it?" Which sounded reasonable enough to me, being as unreasonable as I am.)

And those 8 pin mic jacks like's on the K2? Well if you've tried to get 'em from Radioshack.com recently, you know they must be as rare as chicken molars. A vendor in the fleas had 'em for $3 each. Even some right angle versions of the plugs, in case you don't want wires hanging out in space directly, so to speak.

So when I send this & see what else has been said, I'm gonna go down to the ice cream store (maybe) and then in a while go off to the Ramada to check out the stuff. Don't know if I'm gonna attend tomorrow. Cindy wants me to go to the antique stuff fleas with her. Something about hernias & furniture or something. Maybe I'll run into the guy who had the 1917 Russian carbine. Like Uncle Igor used during the revolution.

"Every DAY was a STRUGGLE!"

73

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes
http://www6.50megs.com/w8ijn -- W8IJN -- http://members.xoom.com/nilsbull
"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
                                -- Comrade Nikolai Sergeievich McTovarishov, 19 Oct 1917

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sat, 20 May 2000 17:08:54 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>, "ncarc reflector" <ncarc@qth.net>
Cc: <al7fs@pobox.alaska.net>, "n7gn" <steveh@webaccess.net>
Subject: [70622] psk-31/psk20
Message-ID: <009401bfc2b0$64b55020$058a1004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

Reworked my webpage one more time. The home page
http://www/qsl.net/n0rc has the link to my psk31 info. There as before
are the screen shots of DigiPan. I've converted those to GIF images
which are about 40-50% smaller than the JPEGs originally posted, still
big & takes some time. Altogether abt 250kb. At the beginning of the
PSK-31 page is a link to my PSK-20 rig review.

You can go directly to the review at:
http://www.qsl.net/n0rc/psk31/psk-20_review.html

72/3 Rod, N0RC -- Fort Collins, CO

Date: Sat, 20 May 2000 19:25:03 -0400 (EDT)
From: Joel Malman <malman@world.std.com>
To: qrp-l@Lehigh.EDU
Cc: k1qm@world.std.com
Subject: [70623] [CONTEST] Nov SS Results
Message-ID: <200005202325.TAA08806@world.std.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gang,

Check out the November Sweepstakes results in the June 2000 QST (page
106). There is a lot of Q (QRP entries)!!! How many list members do
you count?

... joel (queen mary)

--
/joel K1QM (K1 Queen Mary) Concord, Massachusetts
QRP-L #337, QRP-ARCI #9305, MI-QRP #1641, SOC #42

Date: Sat, 20 May 2000 20:38:58 EDT
From: J38AL@aol.com
To: qrp-l@lehigh.edu
Subject: [70624] SMK-1 # 28 LIVES

Message-ID: <60.34a909d.26588a22@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Just finished my SMK-1 kit and hooked it up with gator clips for the smoke test. Looked over the board several times for mistakes or poor solder joints first. Applied power and there was noise in the phones! Tweaked the trimmers and receive works fine business!! Hooked up a dummy load and side tone works too. Have yet to test xmit and solder the NJ case kit together. When I look at and listen too this neat little kit I still find it hard to believe that I built it.

Thanks again NorCal and everyone involved in making this a fun yet high quality kit. Keep the surface mount kits comming!! I can't wait.

73, Al N2ZHS
Scotia, NY

Date: Sat, 20 May 2000 17:46:21 -0700 (PDT)
From: Jeff Furman <jfurman@ocs.net>
To: David Ek <ekdave@earthlink.net>
Cc: qrp-l@lehigh.edu
Subject: [70625] Re: Tektronix 454 manual needed/probe compensation question
Message-ID: <Pine.LNX.4.21.0005201635240.8933-100000@ocs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

David, the usual probe compensation procedure is the same regardless of the scope make or model, so you should be able to get by (for this issue) without a manual. An important point is that the probe is intended to operate properly only if the scope input resistance and capacitance is a particular value. I believe the scope input resistive part is essentially an industry standard of one megohm. The major difference from one scope to another is the value of the shunt capacitance seen across the input. A particular x10 probe is designed to be compensated for a limited capacitance range within the range of actual scope inputs.I vaguely recall scopes with 15pf or so, and others with 30 or 45pf. I doubt the same probe can be adjusted for both scopes. A Tektronix scope normally has the input connector labelled with its input capacitance. I would say the capacitance gets less as the scope's bandwidth (from model to model, not any adjustment of a particular scope) increases, down to some
practical limit. The two Tektronix x10 probes I have handy, real old ones, a P6060, and a P6006 both have their input impedances marked on them, and not the scope input requirements. These guys use threaded

concentric sleeves at the probe end to adjust their compensation capacitance. Other probes may have a little box at the scope connector end with the adjustment in it. The box may be labelled with the required scope
input spec., if you're lucky. The probe calibration is intended to adjust the probe's
upper divider r-c time constant to match the time constant of the input part of the divider. It's easier to do it than explain the details of the circuit analysis. The 454 should have a probe calibration signal available at the front panel. This is a square wave with sharp edges, and a flat top and bottom, at some non critical frequency, I will guess in the audio range. Connect the probe to be compensated there. With
the scope input set to dc coupled, and the attenuator set to a convienent value to be able to see the square wave adequately (maybe 2 to 8 divions peak to peak), the horizontal timebase rate and triggering should be adjusted to see two or three complete stable cycles of this squarewave.
A real aside here-- it's a pleasure to use the triggering on a Tektronix scope compared to other brands. All
that's left to do now is adjust the compensation adjustment of the probe until the waveform has nice square edges, without overshoot and droop, or undershoot. Once you try it, it's pretty obvious what needs to be done. If the probe's adjustment range doesn't cover the scope's input capacitance, it won't be possible to get a good waveform, and the actual waveforms displayed will not be true to the real signals when you use this probe and scope combination. The only
solution is to get probes intended to be used with your scope's input. The probe manufacturers will have this information available, another reason to squirrel away old, obsolete manufacturer's catalogs.
I hope this helps. Let me know if I can assist you further.
73, Jeff AD6MX (was KD6MNP)

Date: Sat, 20 May 2000 18:19:46 -0700 (PDT)
From: Mike&Paula <herr@ridgecrest.ca.us>
To: qrp-l@lehigh.edu, jaevans@codenet.net
Subject: [70626] Re: 2 questions, while everyone (but me) is at Dayton !!
Message-ID: <200005210119.SAA26948@ridgecrest.ca.us>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>II - I am working on an ultralight backpacking station and was wondering
>what the lightest effective dipole would be to take along. I thought at
>first of an RG-174 fed dipole for my SST-20, but I think the loss would

>be significant at 14 MHz. I figure I can feed one with tiwnlead or
>speaker wire and then make a simple/light balun for the connector. The
>less equipment I carry, the better, so I would prefer to do without a
>tuner.
>
>tnx es 72 - john - n0hj

John,
     I've used a RG-174 fed dipole for backpacking and as long as the length is reasonable, say 50 feet or less and the SWR is as near 1:1 as possible, then the loss is reasonable. Speaker wire can have high loss. Typical twin lead is still bulky and heavy. A tuner can e made small and effecient and with a long wire, a reasonably good antenna.
...Mike WA6ARA

Date: Sat, 20 May 2000 20:15:50 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [70627] toroids
Message-ID: <Pine.LNX.3.95.1000520201305.24831A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I'm moving along ok with my SW-30 as I now have it in the case with all the controls installed....I was looking at 2/3 of the toroids I wound and they certainly were not evenly spaced.....somewhere in the depths of my memory I think they should be as evenly spaced as possible so I did that...BUT I can't recall why.....is this critical?....what would be the effect if the toroids were not evenly spaced?....

..72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
          A-1 Operator Club - 10/10# 944 - SOC #11 & #12 - Whiner#10 -
          "QRP! How sweet it is!"   "I am da man wit "DAH" paddle!"

Date: Sat, 20 May 2000 22:26:07 -0400
From: Richard Powell <ripowell@mpna.com>
To: "Low Power Amateur Radio Discussion (E-mail)" <qrp-l@Lehigh.EDU>,
"'fpqrp@egroups.com'" <fpqrp@egroups.com>
Subject: [70628] I Finished a Project!!!
Message-ID: <01BFC2AA.6523FF30.ripowell@mpna.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Content-Transfer-Encoding: 7bit

What a Day!!!
I went to Hamvention!
I met Dave Benson!
I finished a project!!!
Nothing earth-shattering, but if you are interested,,,, http://www.mpna.com/ripowell/sw40plus
72 & oo's
/rick

-
Richard Powell, WB6JBM, TENTEN 13044, QRP-L 1118, FPQRP-2
Senior Network Engineer, Belcan IT Division
MCSE, CNA.
ripowell@mpna.com http://www.mpna.com/ripowell
ICQ 39245532

Date: Sat, 20 May 2000 21:31:09 -0600
From: "Robert Armstrong" <barmstrong@sisna.com>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [70629] Grand Canyon hike - TU
Message-ID: <003001bfc2d5$0231bd60$d8b4d2d1@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
    charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hey y'all,

I yesterday posted a note about hiking the Grand Canyon. Thanks to those who listened and/or contacted me. Since the fire at Grand Canyon is just about controlled, I thought the area I was going to use would be open to visitors. I was two days early! I hiked a spectacular slot canyon on the Utah Ariz border instead.

The canyon was hundreds of feet deep and only a few yards wide, so I didn't try to use the radio underground (it would be like operating inside a coal mine!). I climbed out of the canyon and put an antenna in a juniper tree and made a few QSO's in the time I had available. Great fun ...

Hiking with Ham radio is awesome!

Bob N7XJ , Utah

Date: Sat, 20 May 2000 21:17:34 -0700
From: Bob Hightower <nk7m@extremezone.com>
To: KB7WW Art Moe <kb7ww@chatusa.com>
Cc: qrp-l@lehigh.edu
Subject: [70630] Re: Ft Tuthill 2000
Message-ID: <200005210414.VAA01248@enterprise.extremezone.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 04:35 PM 5/20/2000 -0700, you wrote:
>Link not working
>
>The requested URL /~nk7m/qrp2000 was not found on this server.
>
>

try http://www.extremezone.com/~nk7m/qrp2000.htm

Left the suffix off the last part of the string.

Bob Hightower NK7M
Chandler, AZ
SOC #20

http://www.extremezone.com/~nk7m

Date: Sun, 21 May 2000 00:22:34 -0400
From: Pete Burbank <plburbank@kih.net>
To: <qrp-l@Lehigh.EDU>
Subject: [70631] HB: Norcal Regen Question
Message-ID: <3.0.32.20000521002229.0073f428@kih.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Dear Gang.
I'm having a large time building the C.Kitchen regen RX using

the Far Circuits board that is recommended at the Norcal site.
>From the text it seems like the coil placement is critical but
I'm confused about whether the coil is to be installed in parallel
to the board or at a right angle to the board.
The photo seems to show a right angle but the board layout has
lots of room for a flat mount on the board and the connection
pads indicate a horizontal mount. The text suggests short leads.
Any info would be appreciated.
73 to all
Pete NV4V
"There is a very fine line between"hobby" and "mental illness.""
>From "Dave Barry Turns 50"

Date: Sun, 21 May 2000 00:54:53 -0400 (EDT)
From: George Gingell <k3tks@u1.abs.net>
To: Craig LaBarge <wb3gck@yahoo.com>
Cc: QRP List <qrp-l@Lehigh.EDU>
Subject: [70632] Re: SMK-1 Questions
Message-ID: <Pine.BSI.4.10.10005210016380.26095-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Craig,

While I can't help you with the info on the replacement IC, I am sure that
you have the info now from Dave and others.

Actually, this is kind of a Me Too! kind of note.

As soon as I read your question, I immediately thought of going for My
Dremel Moto-Tool and Cutoff Wheels.

I have several of them as they are extremely useful in the Locksmith Trade
as well as in the Ham Radio Workshop.

In addition to the Standard Cut-off wheels, I have an assortment of Steel
Saw blades, grinders and Diamond surfaced cutters.

In most cases I prefer the Newer Heavy Duty Fiber Reinforced wheels. They
are much less shatter resistant and seem to last longer.

I generally use the DUBRO Brand name Disks which I purchase at the local
HobbyTown store. (Model Airplaane & Boat Store).

As with all of these tools, extreme care must be used.
ALWAYS WEAR EYE PROTECTION! Secure your work in a vise or clamp it to the

workbench. Go slow, don't force it, just let the cutting wheel do its job.

I also recommend the use of a flexible shaft tool with the Dremel as this gives much better control when working in tight quarters.

When removing Standard Dip Chips, It is best to cut the leads right where they enter the chip. No danger of heat messing up nearby components.

One Trick which I have used in the past when doing a Repair job, is to Cut the Pins Right at the chip as just mentioned, then take a New IC Socket and trim its leads to about 1/2 length, straighten them and tin them them put the socket in place of the removed chip. It is then possiable to just apply a bit of heat to each leg, along with a bit of extra solder where the old and new legs overlap. If needed you can also apply a bit of pressure on the leg with an awl or Wooden Skewer until it cools.

This trick is also useful when using RECYCLED IC's.

In earlier times I used the CutOff wheels to remove IC's from Computer Circuit Boards, TV's, Etc.

I have also been known to Use a Propane torch to unsolder Large quantities of IC's from PCBs. This is done only outside and when you are not concerned with saving the PCB :^)

I have also used the CutOff wheel to Remove Selected Circuits from a PCB for later use intact or to more carefully remove a Large Computer Chip.

Need an AUDIO Stage, an Oscillator or an IF filter? Just trace out the circuit, Mark your CUTOUT AREA with a Black "SHARPIE PEN" and cut away..

OBTW One more thing I almost forgot. It is generally a good Idea to Use a "Resistive WRIST STRAP" for yourself and one from the PCB to Workbench GROUND.

This is very important if you are working on the extraction/repair of STATIC SENSITIVE DEVICES. The friction and heat from the cutting wheels can generate a bit of static charge.

People are always amazed when they see the light from a bit of scotch tape being pulled from the roll in the dark.

Plastic and its relatives have lots of unseen danger for our toys.

Hope some of this is useful to you and the gang on the list.

ONE Last note. If you haven't used these methods or tools much before, I would recommend practice on an Old Computer PCB. Lots of free ones at any

hamfest or Trash Day :^)

Sir George, The First :^)

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public and Locksmith Services
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Sat, 20 May 2000 23:30:33 -0700
From: Radman <radman@best.com>
To: "'elecraft@qth.net'" <elecraft@qth.net>, "'Low Power Amateur Radio
Discussion'" <qrp-l@Lehigh.EDU>
Subject: [70633] Dayton 2000 picures...
Message-ID: <01BFC2B3.8B25AD60@radman.vip.best.com>

Gang,

Here's a Dayton 2000 picture site for those interested...
Be patient. It's a pretty slow (or popular) server -- but fun :)

URL: http://www.corecomm.net/~netweb/netweb/h/ham19.htm

Next year it would be cool to have more 'Dayton Cams' in operation.

Have fun,

Conrad - NN6CW

Date: Sun, 21 May 2000 03:43:44 EDT
From: SKIPNC9O@aol.com
To: nilsbull@juno.com, qrp-l@lehigh.edu
Subject: [70634] Re: OT (as always) Day reportage of Dayton
Message-ID: <c8.52f163a.2658edb0@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

Content-Transfer-Encoding: 7bit

   Thanks for the update Nils from all of us who did not make it to Dayton. I was sitting on the patio this afternoon discussing Dayton with my wife and she told me I should plan on going next year, Bless her heart. I even told her I would like to go for the whole four days too and she said yes. Now my question, is it too early to sign up for next year? Not that I am anxious but I think I will start saving now.
   I wonder if I could work Pacificon in too, no I wont push my luck just yet. Keep up the reports.

73, Skip Davis NC9O

Date: Sat, 20 May 2000 07:23:11 -0700
From: Jon Iza <iapizloj@bicc00.bi.ehu.es>
To: qrp-l@lehigh.edu
Subject: [70635] Re: Recovering a Flooded Project?
Message-ID: <39269FCF.78B@bicc00.bi.ehu.es>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Folks,
should you use the oven method to dry up your half-stuffed board
pliizzz do take care of the temperature.
I was told that a wild VFO will stabilize after thermal stress
(oven-freezer-oven-freezer, etc). In one of the steps, I forgot
the oven step and all styroflex caps got fancy banana-like shapes.
Of course the VFO didn't sing again!
Be well, and have a nice weekend..
jon, ea2sn

--
jon iza ea2sn since 1978   qrp'er at large!

Date: Sun, 21 May 2000 07:47:23 -0400
From: "Victor Blackwell" <victor@brecnet.com>
To: <barmstrong@sisna.com>, "Low Power Amateur Radio Discussion" <qrp-l@lehigh.edu>
Subject: [70636] Re: Grand Canyon hike - TU
Message-ID: <000601bfc31a$54e62c40$445730d1@victor>
MIME-Version: 1.0

Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gee, too bad you did not try the NVIS mode from the bottom of the canyon.
It would have been a real eye opener.

Vic AD8K

-----Original Message-----
From: Robert Armstrong <barmstrong@sisna.com>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Date: Saturday, May 20, 2000 11:30 PM
Subject: Grand Canyon hike - TU

>Hey y'all,
>
>I yesterday posted a note about hiking the Grand Canyon. Thanks to those
>who listened and/or contacted me.   Since the fire at Grand Canyon is just
>about controlled, I thought the area I was going to use would be open to
>visitors. I was two days early! I hiked a spectacular slot canyon on the
>Utah Ariz border instead.
>
>The canyon was hundreds of feet deep and only a few yards wide, so I didn't
>try to use the radio underground (it would be like operating inside a coal
>mine!).   I climbed out of the canyon and put an antenna in a juniper tree
>and made a few QSO's in the time I had available. Great fun ...
>
>Hiking with Ham radio is awesome!
>
>Bob N7XJ , Utah
>
>
>

Date: Sun, 21 May 2000 07:49:22 -0400
From: nx2c@juno.com
To: qrp-l@lehigh.EDU
Subject: [70637] HW-8 wanted
Message-ID: <20000521.074924.-828137.0.NX2C@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Hi guys
I'm looking for a band switch for my HW-8,When I got this radio the 80 meter band switch was missing ,just a hole there no push button nothing.....Anyone have one of these,Please let me know.....

Thanks Mike
NX2C@JUNO.COM

_____
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http://dl.www.juno.com/get/tagj.

Date: Sun, 21 May 2000 08:11:16 -0400
From: Barry J Minsky <w2bj@juno.com>
To: qrp-l@lehigh.edu, antennas@qth.net
Subject: [70638] B & W
Message-ID: <20000521.081117.-322393.0.w2bj@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Thanks to all of you who sent me the URL for B & W.
72/73,
Barry J. Minsky, W2BJ
ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century Club #569, Platinum #51, Silver #119, FISTS CW Club of Coastal Georgia, Knightlites, Adventure Radio Society #359,
Six Club #151, QCWA #29298, OOTC #3723, SOC #193

Date: Sun, 21 May 2000 07:36:45 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>
To: "'qrp-l@lehigh.edu'" <qrp-l@lehigh.edu>
Subject: [70639] Transmitter & TR Break-in Questions
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB52@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

Maybe someone has some design ideas to share...

I am thinking about building a companion multiband CW transmitter for my Sony IFC-2010 receiver; a small 5-watt transmitter package with built-in

wire tuner for travel. I would like to use a VXO or VCXO with a mixer for the same frequency "pull" in each band, and no oscillator backwave in my receiver. Also need a simple semi-QSK TR breakin for antenna change-over and attenuating receiver volume for direct CW monitoring.

I don't have web searching capability, but would appreciate schematic files or comments from someone who has done this.

Thanks,
Jay Coote
W6CJ
jcoote@ci.arcadia.ca.us
Fax: 626-574-5176

Date: Sun, 21 May 2000 11:33:40 -0400
From: "AI2Q Alex" <ai2q@ispchannel.com>
To: <JCoote@ci.arcadia.ca.us>
Cc: "QRP-L (E-mail)" <qrp-l@Lehigh.EDU>
Subject: [70640] RE: Transmitter & TR Break-in Questions
Message-ID: <000201bfc339$f1a2e540$5c32a7d0@ispchannel.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi Jay:

For a 20-meter SSB QRP transceiver I built I used a slightly modified version of the timing circuits shown in "Solid State Design For The Radio Amateur."

At the heart of the straightforward circuit shown in that book is the ubiquitous 555 timer chip. When I close the PTT button or close the key, the antenna changeover relay closes immediately. Then there's a 20 ms delay until voltage is applied to the driver and predriver stages (the MOSFET PA always has +Vdd on it). That prevents application of RF to the PA until the antenna changeover relay is closed and the proper 50-ohm load is presented to the PA. Lastly, the circuit includes waveshaping for both rise- and fall-timing of the CW keying.

Check it out. There are other timing and changeover circuits shown, and many of the rigs described also include keying circuits. There's really a wealth of info in this book that surely will be applicable to your set-up.

GL es 73, AI2Q, Alex in Kennebunk, Maine QRP-L 687   .-.-.

-----Original Message-----
From: owner-qrp-l@Lehigh.EDU [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of Coote, Jay
Sent: Sunday, May 21, 2000 10:37 AM
To: Low Power Amateur Radio Discussion
Subject: Transmitter & TR Break-in Questions

Maybe someone has some design ideas to share...

I am thinking about building a companion multiband CW transmitter for my Sony IFC-2010 receiver; a small 5-watt transmitter package with built-in wire tuner for travel. I would like to use a VXO or VCXO with a mixer for the same frequency "pull" in each band, and no oscillator backwave in my receiver. Also need a simple semi-QSK TR breakin for antenna change-over and attenuating receiver volume for direct CW monitoring.

I don't have web searching capability, but would appreciate schematic files or comments from someone who has done this.

Thanks,
Jay Coote
W6CJ
jcoote@ci.arcadia.ca.us
Fax: 626-574-5176

Date: Sun, 21 May 2000 12:14:32 -0400
From: "J. Ervin Bates" <w8erv@email.msn.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [70641] Your Help Would Be Appreciated
Message-ID: <004f01bfc33f$a67b07e0$b027113f@win98>

Hi Gang:

I am looking (on behalf of a friend) for some binding posts that would handle 30 amps. Does anyone know where I can find such a thing? These will be used for a voltage distribution panel (homebrew). He needs 2 pair

(red/black), minimum.

Thanks,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
QRP-L #1569 - NorCal Zombie #236 - Worked All
El Paso #033/1999 - Member, MI DX Assn.
MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL
Rag Chewers' Club - WAC -

Date: Sun, 21 May 2000 10:18:28 -0600
From: "Rod, N0RC" <n0rc@qsl.net>
To: "qrp-l" <qrp-l@Lehigh.EDU>
Cc: <nn1g@earthlink.net>, <khopper@uchicago.edu>, <PDouglas12@aol.com>
Subject: [70642] PSK-20 review on eHam
Message-ID: <002301bfc340$4dbb3160$068a1004@compaq>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks:

I've added a category to the eHam page for the Small Wonder Labs
PSK-20. I've also added a brief review. So if you have built a PSK-20,
there a are a few, check out my eHam review and add your own at
http://www.eham.com/reviews/detail/847

72/3 Rod, N0RC -- Fort Collins, CO

Date: Sun, 21 May 2000 10:23:03 -0700
From: "Coote, Jay" <JCoote@ci.arcadia.ca.us>

To: "'w8erv@email.msn.com'" <w8erv@email.msn.com>, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70643] RE: Your Help Would Be Appreciated
Message-ID: <131CE266CAD0D211B3550008C7C9A2D51CBB56@arcadia-pd1.arcadiapd.com>
MIME-Version: 1.0
Content-Type: text/plain

I would not use the small banana posts (3/8" diameter) for 30 amps continuous. The larger "5-way binding posts" (about 1/2" to 5/8" diameter) are usually rated 30 amps max.
Although hard to find, there are even larger posts with amp ratings of 50, 100 or 250 amps. These are nice if your distribution panel connects to emergency batteries or a large power supply which serves the whole radio room. "Supercon" is a trade name for the connectors.
Try:
WARNER ELECTRIC
860-585-4500
860-582-3784 Fax
(Sales rep) steve.orie@dana.com

73
Jay
W6CJ

-----Original Message-----
From: J. Ervin Bates [mailto:w8erv@email.msn.com]
Sent: Sunday, May 21, 2000 9:15 AM
To: Low Power Amateur Radio Discussion
Subject: Your Help Would Be Appreciated

Hi Gang:

I am looking (on behalf of a friend) for some binding posts that would handle 30 amps. Does anyone know where I can find such a thing? These will
be used for a voltage distribution panel (homebrew). He needs 2 pair (red/black), minimum.

Thanks,
Erv W8ERV

HamFair2000 is coming...ask me about it!
"Dare to Dream-It Sets Your Spirit Free!"

10-10# 70639 - QRP-ARCI# 9702 - SOC# 41
QRP-L #1569 - NorCal Zombie #236 - Worked All
El Paso #033/1999 - Member, MI DX Assn.

MI QRP Club, M-1688 - FPqrp- 50 - Member ARRL
Rag Chewers' Club - WAC -

Date: Sun, 21 May 2000 10:56:14 -0700
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateru Radio Discussion <qrp-l@lehigh.edu>
Subject: [70644] Diversions at home. [Humor/OT]
Message-ID: <3928233E.22BCA3C2@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Well gang, the being off work has created
new activities for me to work with. Besides
the daily CW QSO and some testing of homebrew
power combiners/splitters (I've built 10 now),
I've found some excellent activities to augment
my spare time off the job. Additionally I've
learned some tricks to break up the monotony
of being homebound.

* Build a fly trap and work with many different
  kinds of bait -- a really fun project at
  http://www.horse-talk.com/horsetalk24.html

* Hang the Bug Zapper in a nearby outdoor location
  and find a comfortable chair. This is very
  entertaining. Put the flytrap below it for additional
  fireworks! A comfortable chair and good brew make the
  hours seem like minutes. Listen to 7040 KHz or a baseball
  game for variety.

* Over time, the dogs begin to follow you around the house,
  in and out. To test their loyalty, note their reaction
  time when you touch the doorknob to go outside. Reward
  with rawhide or pig's ears. This is best done before your
  nap so the family can enjoy the gas while you snooze safely
  in the bedroom.

* The family can become tired of you hogging the newspaper once
  you become addicted to reading ALL articles. Pull the puzzle
  section out and work on it leisurely -- the family takes weeks

to notice it has been missing! Also, the Sunday funnies should
be read, center page first. That way you can remove the middle
page, place on table and finish the rest of the comics while
this kids fight over that other piece.

* Join the wife's chat room. Make all her friends your friends.
Ask wife often if they are asking about you. When you see
"How's your Hubby?" on her screen, be sure to mention you need
the line to talk with your friends :-)
(Be sure the pain killers have kicked in if your hands hurt.)

* Following xyl from room to room, closing windows she's opened
is fun. If you have some dirty socks, toss to the dogs so you
can have fun finding them later. Unfortunately this is costly
since the xyl will purchase a portable music player and headphones
to completely block out your antics.

Well, gotta run, I hear the zapper working on a dragonfly! wowza!

72/Ed we6w
--
72/Ed we6w; A-1 OP; SOC#63; QRPL#1068
http://www.qsl.net/we6w Santa Rosa, CA
My 2 pennies worth is just common cents.

Date: Sun, 21 May 2000 14:57:15 EDT
From: K4YBB@aol.com
To: qrp-l@lehigh.edu
Subject: [70645] RE: Your Help Would Be Appreciated
Message-ID: <b9.33d223d.26598b8b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Try http://www.powerwerx.com and poke around a bit. They have red and
black wire up to about #8 and they also have connectors to fit the wire.
possibly they have what you are looking for.

72/73 Jim K4YBB
from the swamps of Okahumpka, FL.

Date: Sun, 21 May 2000 14:28:55 -0500
From: "James P. Osburn, P.E." <j.p.osburn@ieee.org>
To: "List; QRP, QRP Mailing List" <qrp-l@lehigh.edu>

Cc: <wvara@butler.indiana.net>
Subject: [70646] Dayton Panoramas and a Close-Up
Message-ID: <000701bfc35a$cfcf3740$db365a3f@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Here are some quick and dirty panoramas and a close-up I took at the
hamfest Saturday.

First we have the QRP-ARCI, MI QRP Club, and GQRP Club booths.
http://www.indiana.net/~wd9eyb/dayton00/3pan.jpg   174 kilobytes

Next we have the Far Circuits booth. KF9GX is so busy there's 2 of him.
http://www.indiana.net/~wd9eyb/dayton00/farpan.jpg   245 kilobytes

Here's almost a 360 of outside.
http://www.indiana.net/~wd9eyb/dayton00/outside.jpg   434 kilobytes

Here's almost a 360 of the main arena.
http://www.indiana.net/~wd9eyb/dayton00/inside.jpg   475 kilobytes

Here's a beautiful circuit that's a prototype of an upcoming
QST article I saw at the Kanga booth. I forget what it is but it's
beautiful.
http://www.indiana.net/~wd9eyb/dayton00/pretty.jpg   87 kilobytes

Jim, WD9EYB

Date: Sun, 21 May 2000 15:41:27 -0400
From: hamjoel@juno.com
To: qrp-l@lehigh.edu, elecraft@qth.net
Subject: [70647] Joys of a k2
Message-ID: <20000521.154256.-325647.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

High Y'all
     Nuttin of substance heah.... just braggin on the k2... I been running
round on cw and psk, and rtty.....
u kneaux, I thiink I will be a barefoot cajun lad till the big crawfish
calls me home...

The speach processor in the k2 sure gives that 5 watts that little extra that's needed for ssb... U kneaux I put up that funny 20 mtr ant and I've been working stations that I needed to use 25 watts before to get them... gee that's worded awkward...sry...

I just 599ed latvia on rtty... done already sstved russia...ssbed most all of europe... cwed and psked most everyone I tried to....Took down my 3 element 40mtr wire beam... sure made the k2 sing a mighty song especially at 10 watts...

In conclusion, I have concluded, the k2 will sure make ur signal sound just right and a good antenna will make ur signal loud enough for others to hear ur good signal quite comfortably...

ke1la joel
in maine
thanking Ed
and laughing at how easy it all is.... with the K2

_____
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Try it today - there's no risk! For your FREE software, visit:
http://dl.www.juno.com/get/tagj.

Date: Sun, 21 May 2000 15:47:55 EDT
From: Kw4cz@aol.com
To: qrp-l@lehigh.edu
Subject: [70648] North America IOTA Question
Message-ID: <94.4aaa38f.2659976b@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Greetings to all,

Worked two NA IOTA stations this weekend.... GREAT !
Now, where can I find a listing of North America IOTA's : Numbers and locations ?
Is this "just as happens" basis?
Tried the ARRL search thingy... no list that I can find.

Thanks mucho.

73,
Gordon kw4cz

Date: Sun, 21 May 2000 16:41:08 -0400
From: david fouchey <dafouchey@home.com>
To: Kw4cz@aol.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [70649] Re: North America IOTA Question
Message-ID: <392849E4.888E2DE4@home.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Try this site.

http://www.rsgbiota.org/

Good luck!

Dave WA4EMR/8

Kw4cz@aol.com wrote:
>
> Greetings to all,
>
> Worked two NA IOTA stations this weekend.... GREAT !
> Now, where can I find a listing of North America IOTA's : Numbers and
> locations ?
> Is this "just as happens" basis?
> Tried the ARRL search thingy... no list that I can find.
>
> Thanks mucho.
>
> 73,
> Gordon kw4cz

Date: Sun, 21 May 2000 14:35:27 PDT
From: "Alan Fryer" <n3bj@hotmail.com>
To: qrp-l@lehigh.edu
Subject: [70650] WTB: S&S Engr. TAC-1 for 80M
Message-ID: <20000521213527.53661.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Wanted: S&S Engineering TAC-1 for 80M. If you have one that is surplus to
your needs, please let me know.

Alan, N3BJ
Bent Mountain, VA

_____
Get Your Private, Free E-mail from MSN Hotmail at http://www.hotmail.com

---

Date: Sun, 21 May 2000 18:05:39 EDT
From: Kw4cz@aol.com
To: qrp-l@lehigh.edu
Subject: [70651] NA IOTA Question Solved!!
Message-ID: <22.6179b54.2659b7b3@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Gracious Sirs,

Thanks to all (many) that replied to my inquiry about IOTA tracking.
Leave up to our Brit buddies across the pond to have it all in order.. Hi Hi
May all YOUR ham questions be answered as quickly as mine.

Thanks again es God Bless.

73,
Gordon kw4cz

Date: Sun, 21 May 2000 21:47:59 +0000
From: nilsbull@juno.com
To: QRP-L@lehigh.edu
Subject: [70652] Sunday afternoon & still wondering
Message-ID: <20000521.220431.-249923.1.nilsbull@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

Gang,

Officially Dayton's been over for a while. Maybe an hour or two. At any
rate, I ain't got no fone calls so I figger I didn't win nawthin. Just as
well, probably. Like I need more stuff. It was a tough call, though.

I didn't go to the final day. Cindy wanted me to go to the antique fleas
with her. It's probably better I did. If I'd found the guy with the WRR2
receiver, I would have spent money that I could spend on something else.
And had a 100 lb box of grey Navy, 60's vintage electrons to carry back
to the car, from the car to the house & up the steps without being

noticed. Maybe I'll do it next year. If I find one. &c.

I was thinking about some stuff while working on the mods I learned about while working with the Elecraft gang how much this entire QRP thing has become very much like the contest between web publication & pay-by-the-page publication. I mean, look at it:

I get three QRP mags four times a year. That & CQ Magazine (the US one; not the Japanese one). A lot of what goes into those pages is either stuff what's been discussed and developed on this list & others, or it's stuff that we've read on the list or on a web site. And there ain't no problem with that. I mean, we dream up stuff, try it out & make it work. If we hand it out on the net or web, people with access to those means read about whatever we've done & try it themselves. The learning/creation curve thing.

But for them what ain't got the web or net, print on paper is the only way to get the news. So here's these three magazines.

So a bunch of us have NorCal 40s or Sierras or the same rigs from Wilderness Radio/QRP Bob. We have 'em on the air & have a good time with 'em. But the design has only paid off for us what's got 'em. They were net published, refined & put out to the public. Kinda like writing stuff for the web. You don't get paid but you get the satisfaction of knowing that your stuff (writing, radios, whatever) is appreciated & put to use.

Now there's also a lot of people make their living off this interconnection between us QRP loonies what's on the web or net & them what ain't. Dan's SP&Ks gets orders from people who sent for the paper catalog. Or from folks who got 'em off the web. S&S Engineering sells stuff both ways, more now on the web than before. In fact, they were more noticeable back when at the Hamvention as two people with some neat kits to sell. Paid by the page for what they had done. Same with OHR or MorsExpress or whoever else. And meanwhile, there's crazy Wayne putting more radio ideas together & having fun watching his stuff get snapped up & slobbered together.

Here I am writing all this stuff and some of you appreciate it & others have a special delete key with my name on it. Cool stuff. I have a readership. Wayne has a radioship. Whatever.

So what's the deal? Well, look at it this way: There are folks who entered the big leagues (selling radios to make some edge of a living) from up front & do/did well. There are others who have come to be known for their design savvy and who have probably made nary more than the column inch for what they've done. Wayne probably hasn't gotten a lot of extra spending mox off of the NC40a or the Sierra. But now, now it's like deciding to send your stuff to New Yorker and getting published. Setting

up Elecraft, dreaming up the radio, getting it going. Having people like me send money before it's even out to the field testers. Kinda like that.

>From the private press to the major publishing houses. My private press poem book or getting published by the Latin American Review (which ain't happened & probably won't, unless I get lucky or am as savvy with poetry as Wayne is with the K2 or Dick & Kathy are with the ARK30 &c).

So Hamvention's over for another year. I got a lot out of it, as usual, again. Met a lot of wonderful folks. Had a grand time not spending too much money. Got a reprint book (History, Theory & Practice of the Electric Telegraph, by Geo. B. Prescott, originally published in 1866 by Ticknor & Fields [can you imagine this book, all set by hand in that marvelous face upon which Monotype Modern 8A was modelled].) Picked it up from the big book store place in the main arena right in the middle there you know what I mean.

Recharged. Yeah, that's the word. Sure we are all tired for the serious effort that we put into this. The late hours. The early mornings. The coffee. The beer. The 7 millionth time that the customer wants to know about the shipping date. The grumbly old guys who want to con you out of the very last dime. Me. Yeah, lots of me's. Even a few mini-me's.

It was great. If you never have gone to Dayton, you must. It is the hajj. You must make the hajj at least once in this life. You'll get recharged. And you'll get some time to wonder about this hobby that, if nothing else, is the ultimate in a pasttime based on technical skill & arcane knowledge that most folks never even think about when they go channel surfing. We know how the pyramids work. The rest of the world sees it as magic, property of a priesthood. And for us, it's a hobby.

See ya next year?

Nils

Nils R. Bull Young -- El Gringo Errante -- La Estancia de los Guajolotes Sonrientes
http://www6.50megs.com/w8ijn -- W8IJN -- http://members.xoom.com/nilsbull
"In MY day we had to FIGHT to have signatures! Every DAY was a STRUGGLE!"
-- Comrade Nikolai Sergeievich
McTovarishov, 19 Oct 1917

_____
YOU'RE PAYING TOO MUCH FOR THE INTERNET!
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http://dl.www.juno.com/get/tagj.

End of QRP-L Digest 1828
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